



## Crop Weather Report

**Issue: 07-24**

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For the Week Ending:  
Aug. 19, 2007

### Weather Summary

Montana received below normal precipitation last week. Every weather station had less than an inch of moisture or none for the second week in a row. Dillon received 0.67 inches on Saturday, breaking the old record for that day of 0.53 inches set in 1990. Dillon also had the most precipitation for the week at 0.80 inches. Most of the state experienced above normal temperatures. Hardin had the high temperature of 104 degrees. Swan Lake had the low temperature of 27 degrees and had below normal temperatures for the whole week. Topsoil moisture adequate and surplus is 10 percent, down from last week's 14 percent, last year's 12 percent, and the five-year average of 22 percent. Seventeen percent of subsoil moisture was good to excellent, down from last week's 20 percent and the five-year average of 19 percent but up from last year's 13 percent. The number of days suitable for fieldwork was 6.9.

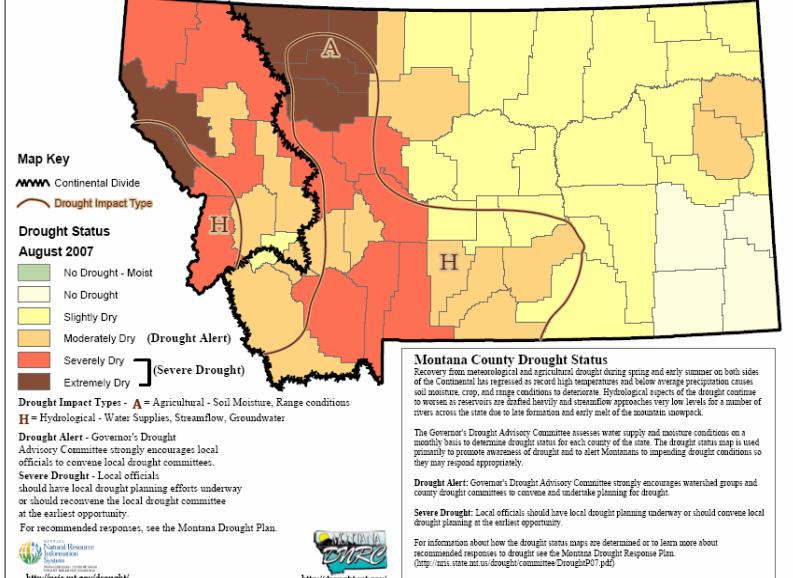
The weather outlook for August 27<sup>th</sup> through September 2<sup>nd</sup> is for above normal temperatures and below normal precipitation both east and west of the continental divide. Normal temperatures for this period in Montana are highs in the lower 70s to the lower 80s and lows in the mid 30s to the mid 50s.

### Livestock Report

Range and pasture feed conditions continue to decline from heat stress. Ranchers have already moved 15 percent of cattle and 11 percent of sheep from summer ranges to other pastures.

Livestock Table	This Week	Last Week	Last Year	5 Yr Avg
<b>Range and Pasture Feed Condition</b>				
Very Poor	5	10	13	19
Poor	19	12	30	25
Fair	39	39	35	34
Good	33	34	18	19
Excellent	4	5	4	3
<b>Moved From Summer Ranges</b>				
Cattle and Calves	15	6	10	2
Sheep and Lambs	11	7	5	1

Montana Drought Status by County - August, 2007



Soil Moisture & Fieldwork Table	This Week	Last Week	Last Year	5 Yr Avg
<b>Topsoil Moisture</b>				
Very Short	50	50	46	41
Short	40	36	42	37
Adequate	9	13	12	21
Surplus	1	1	0	1
<b>Subsoil Moisture</b>				
Very Short	43	41	50	44
Short	40	39	37	37
Adequate	17	19	13	19
Surplus	0	1	0	0
<b>Days Suitable for Fieldwork</b>				
Days	6.9	6.8	5.9	6.1

### Field Crops Report

The second cutting of alfalfa and all other hay is ahead of last year and the five-year average. Winter wheat harvest is nearly complete. Eighty-six percent of barley is harvested compared to only 63 percent last year. High temperatures and lack of rainfall have affected small grain yields. Farmers are at risk of causing fires when working in the fields.

Crop Progress Table	This Week	Last Week	Last Year	5 Yr Avg
<b>Turning</b>				
Durum Wheat	93	80	100	84
Safflower	79	61	87	n/a
<b>Harvested</b>				
Winter Wheat	99	90	99	87
Spring Wheat	77	48	78	43
Durum Wheat	51	22	64	28
Barley	86	59	63	47
Oats	85	62	82	54
Dry Peas	88	86	95	n/a
Lentils	85	75	87	n/a
Dry Beans	40	6	26	9
Flaxseed	52	24	45	n/a
Safflower	4	n/a	5	n/a
<b>Hay, Second Cutting</b>				
Alfalfa	85	76	81	61
All Other	75	54	72	47

Crop Condition Table	This Week	Last Week	Last Year	5 Yr Avg
<b>Spring Wheat</b>				
Very Poor	9	18	n/a	n/a
Poor	18	20	n/a	n/a
Fair	25	31	n/a	n/a
Good	44	26	n/a	n/a
Excellent	4	5	n/a	n/a
<b>Durum Wheat</b>				
Very Poor	16	17	17	10
Poor	17	18	38	21
Fair	22	24	32	34
Good	32	27	13	28
Excellent	13	14	0	7

**Weather Information for the Week ending 08/19/2007**

Station ID	Precipitation												
	Temperature			GDDs		This Week		April 1 to Date			October 1 to Date		
	Hi	Low	Avg	B50	DFN	Total	DFN	Total	DFN	%NRM	Total	DFN	%NRM
<b>NORTHWEST</b>													
Alberton	98	44	70	139	+27	0.00	-0.28	4.80	-1.35	78	15.41	+3.55	130
Anaconda	91	40	66	113	+37	0.37	+0.02	8.93	+0.80	110	15.05	+2.63	121
Clinton	93	43	68	127	+15	0.12	-0.16	6.85	+0.70	111	15.57	+3.71	131
Corvallis	85	45	65	109	+6	0.01	-0.27	3.88	-1.95	67	6.72	-4.84	58
Creston	88	43	64	99	+4	0.01	-0.34	5.74	-3.52	62	10.39	-7.12	59
Deer Lodge	90	39	66	110	+32	0.23	-0.05	6.78	+0.53	108	10.04	+0.92	110
Drummond	93	36	64	97	-2	0.09	-0.19	7.10	+0.38	106	10.84	-0.74	94
Hamilton	86	47	67	123	+20	0.00	-0.28	4.20	-1.63	72	8.18	-3.38	71
Kalispell	92	40	68	126	+33	0.00	-0.33	5.02	-2.08	71	10.92	-3.73	75
Missoula	96	51	73	162	+50	0.00	-0.28	3.90	-2.25	63	9.40	-2.46	79
Olney	89	35	61	81	-2	0.00	-0.35	3.76	-4.90	43	15.46	-5.55	74
Polson	89	49	69	135	+14	0.00	-0.35	7.27	-0.70	91	12.12	-2.46	83
St Ignatius	92	51	69	135	+20	0.00	-0.29	6.42	-1.90	77	11.77	-2.79	81
Seeley Lake	88	39	67	121	+38	0.00	-0.28	4.36	-2.89	60	14.90	-4.64	76
Sula	88	36	63	90	+16	0.01	-0.34	7.71	-0.33	96	13.09	-1.24	91
Superior	97	47	71	151	+30	0.00	-0.33	5.17	-1.09	83	14.98	+0.15	101
Swan Lake	88	27	58	59	-22	0.00	-0.47	8.11	-1.33	86	23.86	-1.64	94
Thompson Falls	98	45	70	143	+15	0.00	-0.28	5.74	-1.51	79	23.27	+2.21	110
West Glacier	87	43	66	111	+19	0.00	-0.40	7.09	-3.28	68	23.94	-2.27	91
<b>NORTH CENTRAL</b>													
Chester	91	50	70	139	+25	0.00	-0.28	4.34	-2.59	63	8.08	-1.26	87
Chinook	89	50	71	149	+24	0.00	-0.28	8.21	+0.64	108	12.00	+1.69	116
Choteau	89	40	66	111	-4	0.00	-0.30	4.25	-2.81	60	5.96	-3.07	66
Cut Bank	92	43	67	119	+22	0.00	-0.37	1.07	-6.64	14	1.55	-8.49	15
Ft Assinniboine	94	52	72	155	+19	0.00	-0.29	7.59	+0.52	107	11.10	+1.01	110
Fort Benton	94	51	70	144	+16	0.00	-0.35	7.01	-1.36	84	11.34	-1.15	91
Goldbutte	90	39	66	115	+14	0.07	-0.29	6.34	-1.71	79	10.46	-0.34	97
Harlem	91	49	70	144	+16	0.00	-0.21	8.68	+1.43	120	11.69	+1.83	119
Havre	93	54	73	158	+27	0.00	-0.28	7.61	+1.10	117	11.00	+1.50	116
Malta	94	53	73	163	+39	0.05	-0.23	9.27	+0.86	110	12.05	+1.01	109
Rudyard	92	51	70	139	+1	0.00	-0.35	8.20	-0.22	97	11.51	-0.29	98
Shelby	89	43	68	128	+20	0.00	-0.37	3.71	-4.23	47	7.11	-3.20	69
Turner	93	47	70	142	+18	0.00	-0.28	7.27	-1.14	86	9.10	-1.94	82
Valier	89	44	68	125	+17	0.06	-0.31	4.33	-3.61	55	6.27	-4.04	61
<b>NORTHEAST</b>													
Bredette	89	46	68	127	-2	0.05	-0.30	10.89	+2.81	135	13.92	+3.55	134
Culbertson	93	45	70	144	+15	0.00	-0.28	9.69	+0.68	108	13.00	+1.26	111
Glasgow	94	52	73	166	+27	0.11	-0.17	10.91	+3.75	152	13.02	+3.54	137
Glendive	94	53	74	172	+16	0.01	-0.33	9.13	+0.46	105	12.44	+0.79	107
Jordan	99	48	73	166	+20	0.00	-0.22	11.19	+2.92	135	13.50	+2.24	120
Nashua	94	50	72	158	+19	0.00	-0.28	12.19	+5.03	170	14.71	+5.23	155
Opheim	88	41	67	121	+12	0.42	+0.15	9.93	+1.93	124	11.92	+1.89	119
Plentywood	89	42	68	129	+11	0.00	-0.28	12.88	+4.87	161	15.22	+4.86	147
St Marie	91	51	71	147	+8	0.00	-0.28	8.75	+1.59	122	10.27	+0.79	108
Scobey	87	40	69	132	+3	0.07	-0.28	10.79	+2.71	134	13.11	+2.74	126
Sidney	93	48	71	149	+13	0.05	-0.23	9.91	+1.34	116	12.54	+0.83	107
Wolf Point	95	48	73	161	+22	0.00	-0.28	10.55	+1.00	110	12.20	-0.78	94
<b>CENTRAL</b>													
Cascade	89	36	64	101	+19	0.36	+0.04	9.03	+0.20	102	13.08	+0.50	104
Grass Range	91	48	70	143	+20	0.00	-0.41	12.18	+1.63	115	18.11	+3.38	123
Great Falls	96	45	71	150	+28	0.00	-0.35	5.83	-2.66	69	10.42	-2.94	78
Harlowton	94	41	69	136	+26	0.00	-0.35	10.83	+2.27	127	15.52	+3.57	130
Helena	97	54	73	161	+36	0.03	-0.25	6.11	-0.37	94	9.22	-0.70	93
Lewistown	94	48	71	144	+37	0.00	-0.44	11.18	+0.65	106	16.45	+0.55	103
Martinsdale	92	40	67	120	+36	0.00	-0.31	7.90	-0.21	97	11.57	+0.13	101
Neihart	90	41	67	119	+36	0.00	-0.43	14.25	+2.75	124	23.65	+5.66	131
Rogers Pass	92	42	66	113	+5	0.20	-0.13	8.83	+0.95	112	13.48	+2.31	121
Roundup	100	56	75	178	+34	0.00	-0.28	10.66	+2.98	139	15.11	+4.40	141
Ryegate	94	44	69	133	+30	0.00	-0.35	9.60	+1.65	121	13.92	+2.83	126
Stanford	95	49	71	148	+45	0.19	-0.23	9.55	-0.75	93	14.25	-0.28	98
Townsend	92	48	69	138	+29	0.04	-0.24	5.77	-0.84	87	8.74	-0.73	92
Valentine	99	49	71	149	+19	0.00	-0.37	10.02	+0.75	108	14.46	+1.83	114
Wht Sulphur Spr	92	44	69	134	+62	0.02	-0.33	5.07	-3.54	59	7.96	-6.25	56
<b>SOUTHWEST</b>													
Boulder	91	44	68	126	+25	0.21	-0.09	6.51	-0.30	96	9.71	-0.21	98
Bozeman	95	47	70	139	+25	0.29	-0.06	12.76	+2.67	126	23.24	+6.66	140
Butte	93	43	66	114	+34	0.23	-0.05	7.30	+0.35	105	11.25	+0.96	109
Dillon	94	47	69	134	+32	0.80	+0.56	7.84	+1.48	123	11.29	+2.63	130
Ennis	93	40	66	112	+16	0.49	+0.21	8.34	+0.61	108	13.79	+2.53	122
Lakeview	91	46	68	126	+70	0.47	+0.12	4.68	-4.95	49	11.54	-6.19	65
W Yellowstone	89	35	60	72	+17	0.63	+0.28	5.37	-3.18	63	12.31	-7.43	62
Wisdom	90	30	59	66	+19	0.14	-0.14	6.79	+0.90	115	12.63	+2.95	130
<b>SOUTH CENTRAL</b>													
Billings	97	59	76	184	+35	0.01	-0.20	9.23	+1.43	118	15.07	+1.80	114
Cooke City	91	46	68	124	+89	0.46	-0.01	6.69	-3.80	64	12.58	-9.73	56
Gardiner	96	48	72	152	+28	0.35	+0.14	3.02	-2.64	53	6.84	-2.27	75
Hardin	104	55	78	196	+55	0.00	-0.24	8.49	+0.40	105	13.87	+0.28	102
Huntley	97	49	72	156	+26	0.11	-0.17	9.39	+1.51	119	14.18	+2.12	118
Hysham	90	54	74	170	+22	0.22	+0.01	9.38	+1.64	121	14.57	+3.19	128
Joliet	100	48	71	146	+21	0.17	-0.11	8.76	-0.08	99	14.63	+0.53	104
Livingston	97	45	70	143	+24	0.04	-0.27	9.01	+0.05	101	15.08	+1.69	11